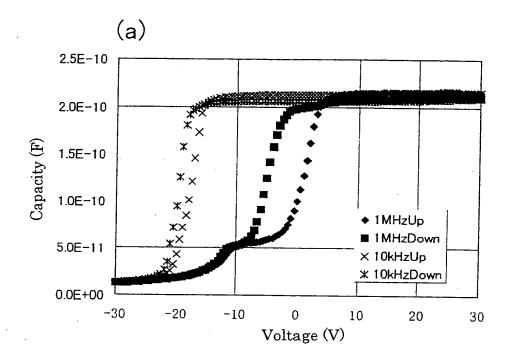
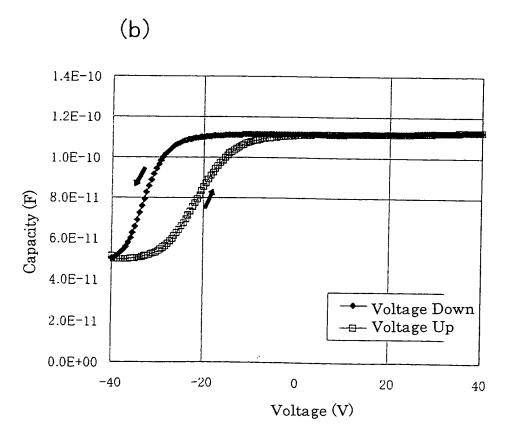


2 / 23

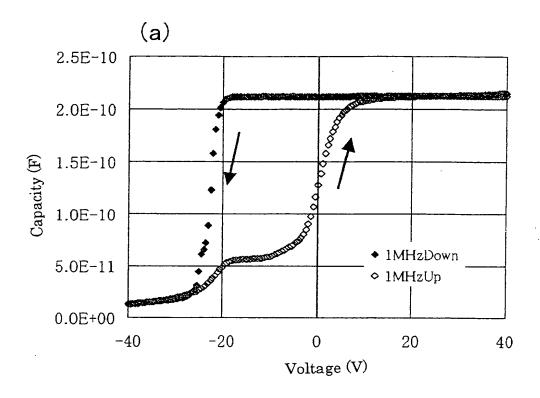
F I G. 2

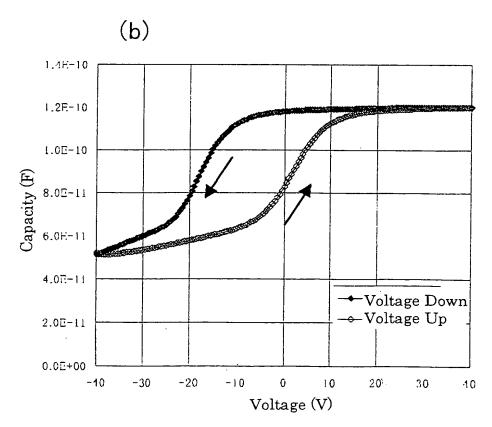




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3 / 23

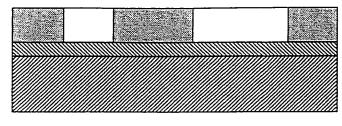




5 / 23

#### F I G. 5

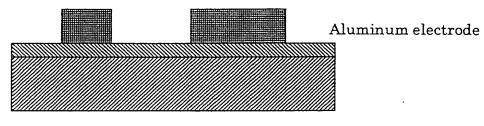
Attachment of metal mask to sample



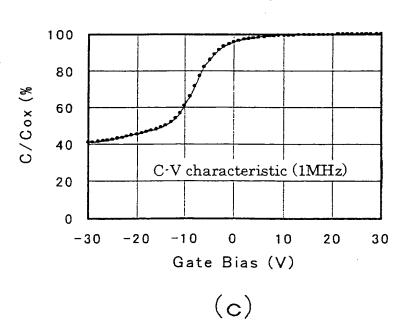
Metal mask
Borazine polymer
Silicon substrate

(a)

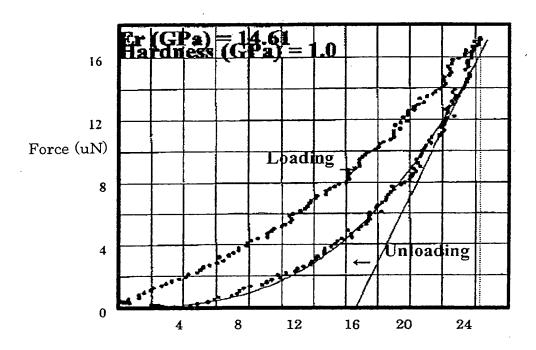
Removal of mask after evaporation of aluminum



(b)



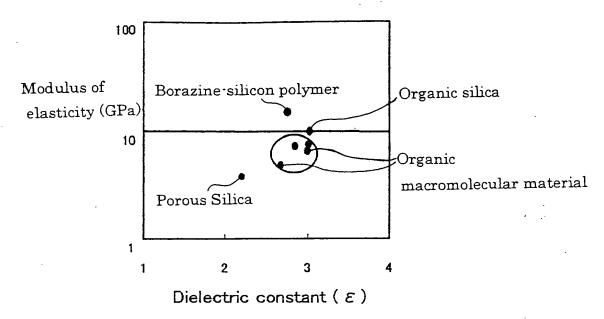
6 / 23



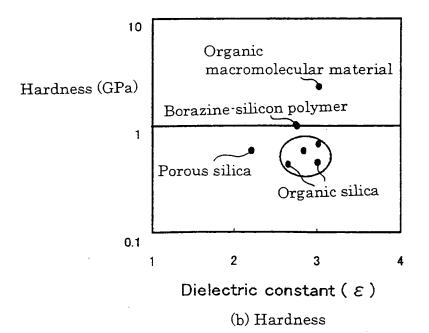
Depth of embedding (nm)

7 / 23

#### F I G. 7

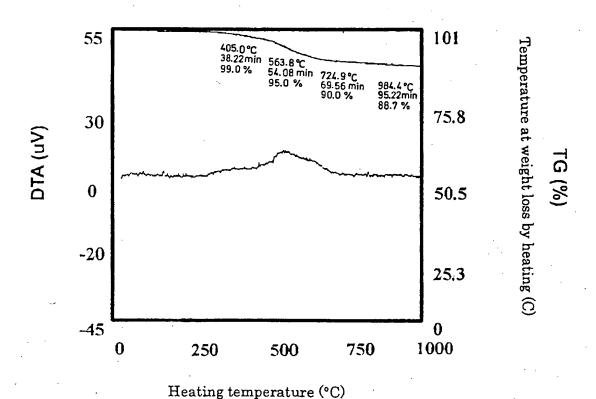


(a) Modulus of elasticity



8 / 23

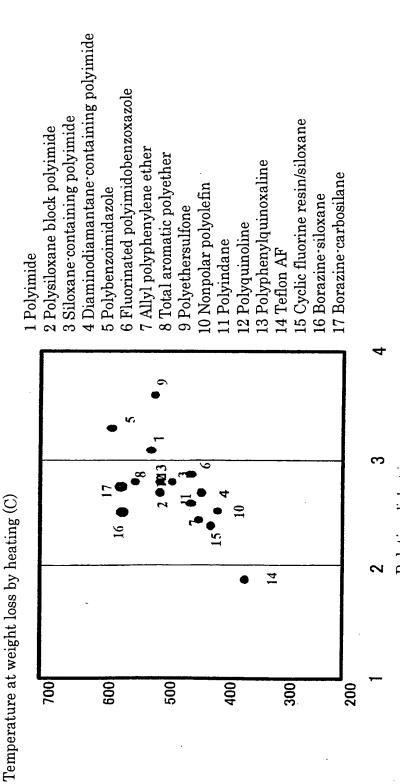
F1G.8



9 / 23

F I G . 9

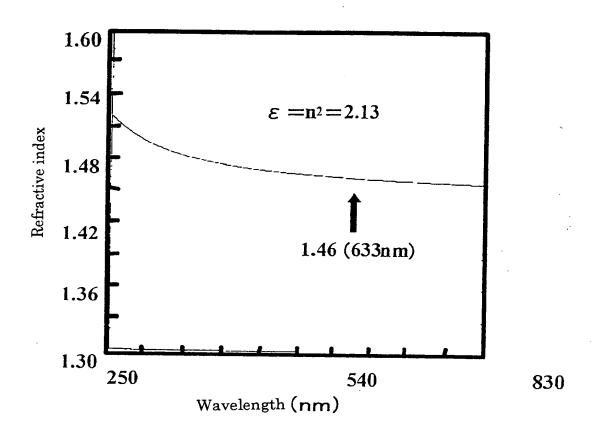
TG (%)



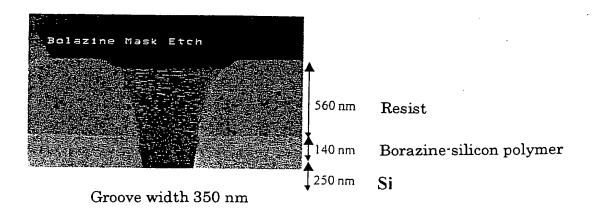
Relative dielectric constant

10 / 23

#### FIG. 10



F I G. 11



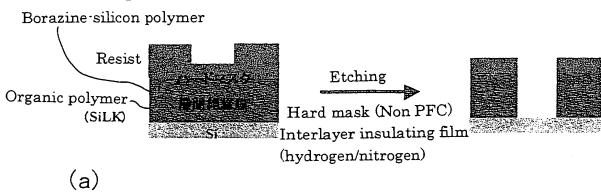
#### 11 / 23

#### F I G. 12

(b)

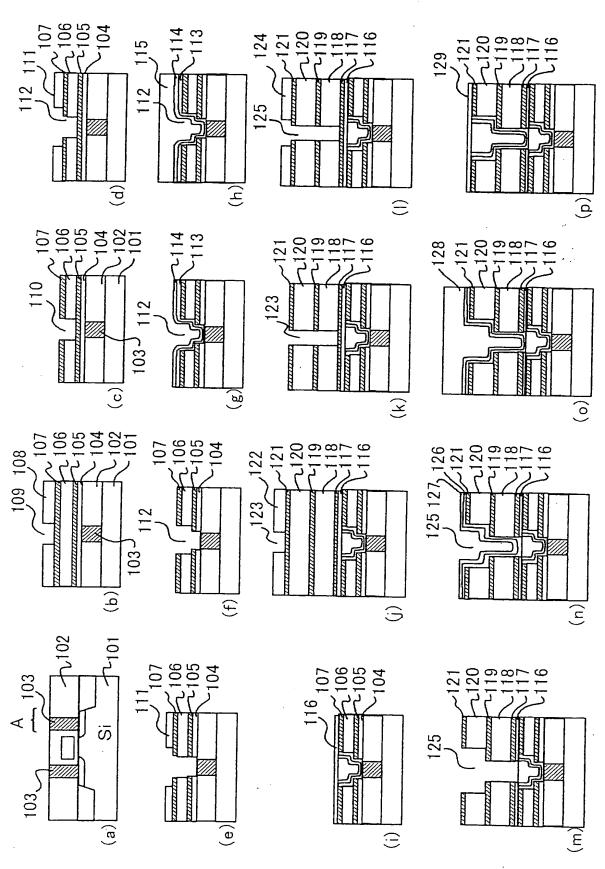
(c)

(d)



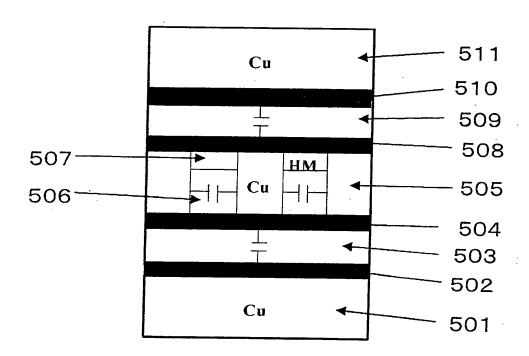
10-0KU X30.0K 1.00 him

#### 12 / 23



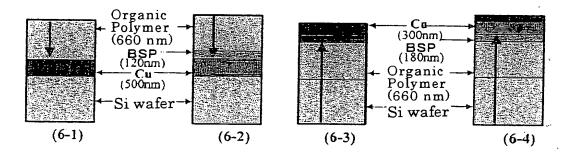
13 / 23

F I G. 14



17 / 23

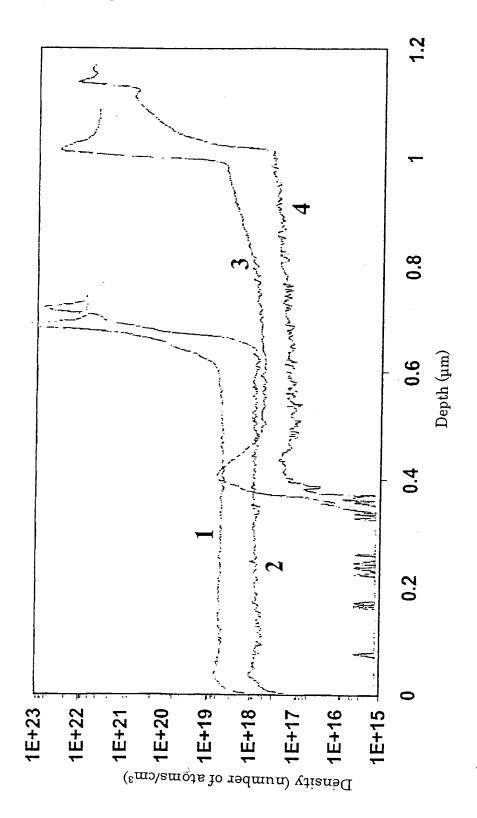
#### FIG. 18



ļ	Structure	Cu atoms/cm3
1	Si/Cu(500nm)/OP(660nm)	5 × 10 <sup>18</sup>
2	Si / Cu(500nm) / BSP(120nm) / OP(660nm)	8 × 10 <sup>17</sup>
3	Si/OP(660nm)/Cu(300nm)	6 × 10 <sup>17</sup>
4	Si/OP(660nm)/BSP(180nm)/Cu(300nm)	1 × 10 <sup>17</sup>

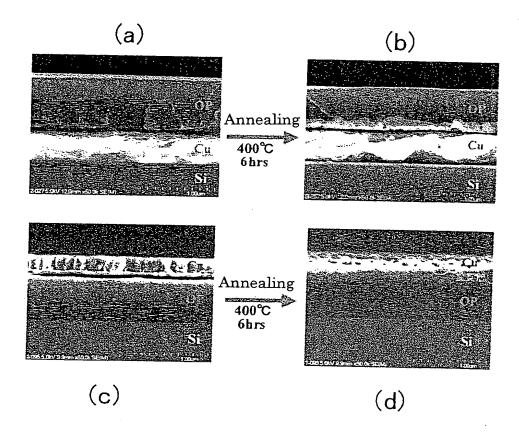
18 / 23

FIG.19

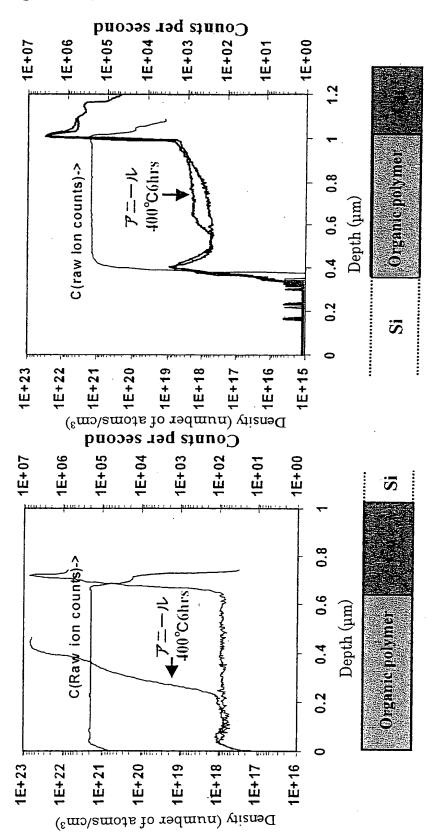


19 / 23

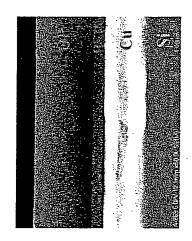
#### F1G.20



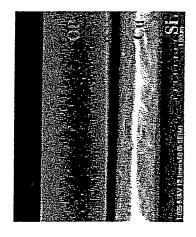
20 / 23



21 / 23

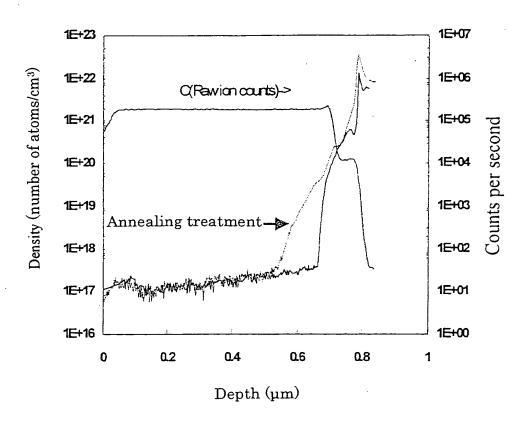


Annealing 400°C • 6hrs



22 / 23

#### F 1 G. 23



Organic polymer Si

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